

Claims

- [c1] A tool for separating a first circuit board and a second circuit board comprising:
a piston assembly;
a handle; and
a first blade and a second blade coupled between said handle and said piston assembly, said first and said second blade normally biased outwardly;
said handle having a first position and a second position relative to said piston assembly, in said first position said blades being biased outwardly and in said second position said piston assembly biasing said blade inwardly to engage the first circuit board.
- [c2] A tool as recited in claim 1 wherein said piston assembly comprises a piston having a first end and a second end, said first end having a grip handle thereon.
- [c3] A tool as recited in claim 2 further comprising a first spring positioned on said piston between said handle and said grip handle.
- [c4] A tool as recited in claim 2 further comprising a second spring coupled about said second end.
- [c5] A tool as recited in claim 4 wherein said second spring is coupled to between said piston assembly and said handle.
- [c6] A tool as recited in claim 4 further comprising a channel adjacent to said piston assembly, said blades gripping said first circuit board against said channel.
- [c7] A tool as recited in claim 6 wherein said channel is coupled to a second end of said piston assembly.
- [c8] A tool as recited in claim 1 wherein said piston assembly comprises a guide block fixedly coupled to blocks.
- [c9] A tool as recited in claim 1 wherein said blades extend between said guide block and said block.
- [c10] A tool as recited in claim 1 wherein said blades extend between said guide block and a compression member.

[c11] A tool for separating a first circuit board and a second circuit board comprising:
a piston having a first end and a second end, said first end having a grip handle thereon;
a handle slidably received on the piston;
a block;
compression means fixedly coupled to said block and said second end of said piston;
a first blade and a second blade fixedly coupled to said handle so that the blades are positioned between said guide block and said block, said blade normally biased outwardly;
said handle having a first position and a second position relative to said block, in said first position said blades being biased outwardly and in said second position said block biasing said blade biased inwardly to engage the first circuit board.

[c12] A tool as recited in claim 11 further comprising a second spring disposed about said second end of said piston.

[c13] A tool as recited in claim 11 wherein said second spring couples said guide block and said handle, said second spring urging said handle toward said guide block.

[c14] A method of disconnecting a first circuit board from a second circuit board comprising:
positioning blades of a tool adjacent to the first circuit board and the second circuit board;
biasing inwardly the blades to engage the first circuit board;
generating an upward motion with the blades; and
disengaging the first circuit board from the second circuit board.

[c15] A method as recited in claim 14 after disengaging, retaining the first circuit board between a channel and said blades.

[c16] A method as recited in claim 14 wherein positioning comprises positioning the blades within a connector housing.

- [c17] A method as recited in claim 14 wherein positioning comprises positioning arms of a guide block and the blades within a connector housing.
- [c18] A method as recited in claim 14 wherein the first circuit board comprises an interposer.
- [c19] A method as recited in claim 14 wherein biasing inwardly the blades comprises biasing inwardly with a block of the tool.
- [c20] A method as recited in claim 14 wherein biasing inwardly the blades comprises moving a handle relative to a piston and biasing inwardly the blades with a block of the tool.

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